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delete "claim 21" and substitute

<u>--claim 37-- therefor.</u>

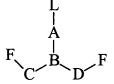
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--37. (New) A compound having one of the following formulas:

E B D F

or E B D

or



wherein:

L is $R^{12}(R^{13})_a$; wherein:

 R^{12} is hydrogen, hydroxy, (C_1-C_4) alkanoyl, a naturally occurring nucleobase, a non-naturally occurring nucleobase, an aromatic moiety, a DNA intercalator, a nucleobase-binding group, a heterocyclic moiety, a reporter ligand, or a conjugate and at least one of R^{12} is a naturally occurring nucleobase, a non-naturally occurring nucleobase, a DNA intercalator, or a nucleobase-binding group;

 R^{13} is a conjugate; and a is 0 or 1;

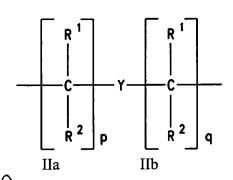
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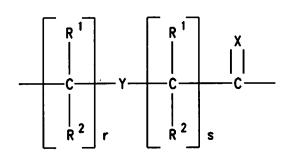
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✓.

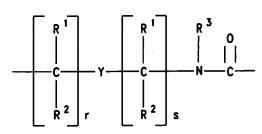
A and B are selected such that:

- (a) A is a group of formula (IIa), (IIb) or (IIc) and B is N or $R^3N^+;$ or
 - (b) A is a group of formula (IId) and B is CH;

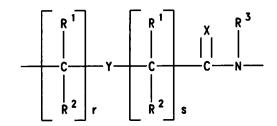




1250



IIc IId



where:

X is O, S, Se, NR^3 , CH_2 or $C(CH_3)_2$;

Y is a single bond, O, S or NR4;

p and q independently are zero or an integer from 1 to 5;

r and s independently are zero or an integer from 1 to 5;

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 R^1 and R^2 independently are hydrogen, (C_1-C_4) alkyl, hydroxysubstituted (C_1-C_4) alkyl, alkoxy-substituted (C_1-C_4) alkyl, alkylthio-substituted (C_1-C_4) alkyl, hydroxy, alkoxy, alkylthio, amino, halogen or a conjugate;

- C is $(CR^6R^7)_v$;
- D is $(CR^6R^7)_z$; wherein:

 R^6 and R^7 independently are hydrogen, a side chain of a naturally occurring alpha amino acid, (C_2-C_6) alkyl, aryl, aralkyl, heteroaryl, hydroxy, (C_1-C_6) alkoxy, (C_1-C_6) alkylthio, a conjugate, NR^3R^4 and SR^5 or R^6 and R^7 taken together complete an alicyclic or heterocyclic system;

 R^3 and R^4 independently are hydrogen, a conjugate, (C_1-C_4) alkyl, hydroxy- or alkoxy- or alkylthio-substituted (C_1-C_4) alkyl, hydroxy, alkoxy, alkylthio or amino; and R^5 is hydrogen, a conjugate, (C_1-C_6) alkyl, hydroxy-, alkoxy-, or alkylthio- substituted (C_1-C_6) alkyl;

each of y and z is zero or an integer from 1 to 10, the sum y + z being greater than 2 but not more than 10;

E independently is COOH, CSOH, SOOH, SO_2OH or an activated or protected derivative thereof;

F independently is NHR³ or NPgR³, where Pg is an amino protecting group; and

at least one of R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R¹², and R¹³ is a conjugate wherein said conjugate is a reporter enzyme, a reporter molecule, a steroid, a carbohydrate, a terpene, a peptide, a protein, an aromatic lipophilic molecule, a non aromatic lipophilic molecule, a phospholipid, an intercalator, a cell receptor binding molecule, a crosslinking agent, a water soluble

